

CLAIMS:

1. A device (1) for scanning a disc-shaped data carrier (2), with a pivotable data carrier plate (4), which data carrier plate (4) features a receptacle for the data carrier (2), and with a transport system (5) which is held adjustably between a loading position and an operating position for transporting the data carrier (2) between an inlay position and a scanning position, in which scanning position the data carrier (2) is located on the data carrier plate (4) for scanning, and with guide elements (9), which guide elements (9) are designed in such a way that the data carrier (2) can be displaced by a combined slide and swivel action between the inlay position and where the scanning position is at a higher level than the inlay position.
2. A device (1) as claimed in claim 1, in which the transport system (5) comprises a main element (6), which main element (6) only executes a sliding action during the displacement of the data carrier (2) between the inlay position and the scanning position, and a tray (7), movably arranged on the main element (6), to hold the data carrier (2), which tray (7) executes both a sliding action and a swivel action during the displacement of the data carrier (2) between the inlay position and the scanning position, relative to the main element (6).
3. A device (1) as claimed in claim 2, in which the main element (6) and the tray (7) are linked via two sliding blocks (17, 18) which slide along guide elements (11, 12).
4. A device (1) as claimed in claim 3, in which the sliding blocks (17, 18) possess a slot (19) or such like for forming a link guide to hold a portion (21) of the tray (7) causing the tray (7) to be forced into a swivel action during movement of the sliding blocks (17, 18) relative to the main element (6).
5. A device (1) as claimed in claim 1, in which there are drive means (8) provided on at least one side of the transport system (5) for the purpose of driving the data carrier (2) between the loading position and the operating position.

6. A device (1) as claimed in claim 5, in which there are drive means (8) provided on each side of the transport system (5) for the purpose of driving the transport system (5).

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7. A device (1) as claimed in claim 6, in which the drive means (8) are coupled to either side of the transport system (5) and are driven by a shared motor (15).

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8. A device (1) as claimed in claim 5, in which the drive means (8) take the form of a gear drive device.

9. A device (1) as claimed in claim 5, in which the drive means (8) take the form of a belt drive device.

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10. A device (1) as claimed in claim 5, in which there are detection means for detecting a dynamic effect on the transport system (5) in its loading position, which detection means are connected to the drive means (8) for driving the transport system (5).

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11. A device (1) as claimed in claim 3, in which there is a pressure device (16) for pressing the data carrier (2), which is in its scanning position, onto the data carrier plate (4), which pressure device (16) is connected to the sliding blocks (17, 18).

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12. A device (1) as claimed in claim 1, in which there are locking elements for locking the transport device in its end operating position.

13. A device (1) as claimed in claim 1, the transport system (5) is essentially arranged in the vertical middle of the device (1).

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14. A device (1) as claimed in claim 1, in which the transport system (5) comprises a main element (6), which main element (6) only executes a sliding action during the displacement of the data carrier (2) between the inlay position and the scanning position, and a tray (7), and in which a coupling element (9) is coupled with the tray (7) and in which a swivel action can be performed with the coupling element (9) during the displacement of the data carrier (2) between the inlay position and the scanning position.